

Claim Listing

1-8. (canceled)

9. (original) A sheet media feed mechanism, comprising:
a chassis;
a motor mounted to the chassis;
a rotatable shaft operatively coupled to the motor;
a roller affixed to the shaft;
an idler disposed opposite the roller, the idler and the roller engagable with one another to form a nip therebetween;
bearings mounted to the chassis and supporting the shaft, each bearing having a cylindrical inner bearing surface; and
the shaft having a spherical journal surface inside and rotatable against each bearing surface.

10. (original) The mechanism of Claim 9, wherein each bearing includes a bushing defining the bearing surface and a body holding the bushing.

11. (original) The mechanism of Claim 10, wherein each bushing is pressed or over-molded into the body of the bearing.

12. (original) The mechanism of Claim 11, further comprising a part mounting each of the bearings to the chassis.

13. (original) The mechanism of Claim 11, further comprising a part mounting each of the bearings to the chassis and the body of each bearing is integral with the mounting part.

14. (original) A printer, comprising:

- a chassis;
- a print engine;
- a feed mechanism operative to move media sheets along a media path through the print engine;
- a printer controller configured to control the operation of the print engine and the feed mechanism; and
- the feed mechanism including
 - a motor mounted to the chassis,
 - a rotatable shaft operatively coupled to the motor,
 - a roller affixed to the shaft,
 - an idler disposed opposite the roller, the idler and the roller engagable with one another to form a nip therebetween,
 - bearings mounted to the chassis and supporting the shaft, each bearing having a cylindrical inner bearing surface, and
 - the shaft having a spherical journal surface inside and rotatable against each bearing surface.

15. (previously presented) A sheet media feed mechanism, comprising:

- a motor;
- a rotatable shaft operatively coupled to the motor, the shaft having a spherical journal surface supported inside and rotatable against a cylindrical bearing surface;
- a roller affixed to the shaft.

16. (previously presented) A sheet media feed mechanism, comprising:

- a motor;
- a rotatable shaft operatively coupled to the motor;
- a first spherical journal on a first part of the shaft, a second spherical journal on a second part of the shaft, a first cylindrical bearing supporting the first journal and a second cylindrical bearing supporting the second journal; and
- a roller affixed to the shaft between the journals.